



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

Serial No.: 09/857,241)
Filing Date: June 1, 2001)
For: CONDUCTIVE MATERIALS)
Art Unit: 1772)
Applicant(s): Patrick James O'Grady)
and John Buckley)
Atty. Docket No.: 198/39458/443)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Office of Initial Patent Examination, Customer Service Center, Assistant Commissioner for Patents, Washington, D.C. 20231, on October 23, 2001.

James R. Foley, Reg. No. 39,999

REQUEST FOR CORRECTED FILING RECEIPT

RECEIVED

MAR 11 2002

TC 1700

Office of Initial Patent Examination
Customer Service Center
Assistant Commissioner For Patents
Washington, D.C. 20231

Dear Sir:

Enclosed is a copy of the Filing Receipt received in the above-identified application.

This Filing Receipt is in error in that one of the inventor's names, **John Buckley**, has not been included. The Applicants should include both Patrick James O'Grady **and** John Buckley and read as follows:

Patrick James O'Grady, Doncaster, United Kingdom; and,

John Buckley, Rochdale, United Kingdom.

A copy of the Filing Receipt having the correct data added thereon in red is enclosed.

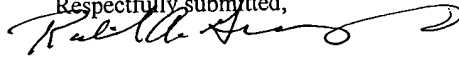
Also enclosed are copies of the following:

- A.) A Notification of the Addition of John Buckley, an inventor in International Application No. PCT/GB99/04087, filed December 3, 1999;
- B.) The Transmittal Letter which accompanied this Application identifying both Patrick James O'Grady and John Buckley as inventors; and
- C.) The Declaration of Power and Attorney signed by and identifying both Patrick James O'Grady and John Buckley as joint inventors.

Accordingly, we respectfully request that the Office issue a corrected Filing Receipt which identifies the inventors as Patrick James O'Grady **and** John Buckley.

It is believed that no fee is required, however, if the Commissioner believes otherwise He is hereby authorized to charge any additional fees which may be required by this paper to Deposit Account No. 20-1495.

Respectfully submitted,



Date: October 23, 2001 By: _____

Richard A. Giangiorgi, Reg. No. 24,284
James R. Foley, Reg. No. 39,979
Attorneys for Applicant
Trexler, Bushnell, Giangiorgi,
Blackstone & Marr, Ltd.
105 West Adams Street, 36th Floor
Chicago, Illinois 60603-6299
Tel: (312) 704-1890



COPY

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/857,241	06/01/2001	1772	691	HULSE CASE 443- PCT	5	32	2

CONFIRMATION NO. 9729

Trexler Bushnell Giangiorgi & Blackstone
105 West Adams Street
Chicago, IL 60603

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FILING RECEIPT



OC000000006887600

OCT 22 2001

TREXLER, BUSHNELL, GIANGIORGI,
BLACKSTONE & MARR, LTD.

Date Mailed: 10/16/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Patrick James O'Grady, Doncaster, UNITED KINGDOM;
John Buckley, Rochdale, UNITED KINGDOM

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/GB99/04087 12/03/1999

Foreign Applications

UNITED KINGDOM 9826596.0 12/04/1998

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Conductive materials

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MAR 11 2002

TC 1700

CASE: Hulse 443
FILE #: 198-39458

~~_____ DUE _____~~
~~_____ DUE _____~~

Preliminary Class

428

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

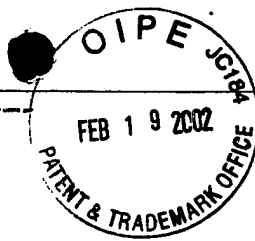
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).



<small>Continuation For Priority, See PCT, United States Patent and Trademark Office, Washington, D.C. 20529, where applicable</small>		
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U.S. APPLICATION NUMBER NO. 09/857,241	FIRST NAMED APPLICANT Patrick James O'Grady	ATTY. DOCKET NO. HULSE CASE 443-PCT
INTERNATIONAL APPLICATION NO. PCT/GB99/04087		
I.A. FILING DATE 12/03/1999	PRIORITY DATE 12/04/1998	

Trexler Bushnell Giangiorgi & Blackstone
105 West Adams Street
Chicago, IL 60603

CONFIRMATION NO. 9729
371 ACCEPTANCE LETTER



Date Mailed: 10/16/2001

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.494 OR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated Office (37 CFR 1.494), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>06/01/2001</u>	<u>06/01/2001</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF RECEIPT OF ALL 35 U.S.C. REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE. *The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363).* Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- U.S. Basic National Fee
- Indication of Small Entity Status
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Small Entity Statement

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MAR 11 2002
TC 1700

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

MAMIE P PERSON

Telephone: (703) 305-3737

PART 1 - ATTORNEY/APPLICANT COPY



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Serial No. 09/857,241)
Filed: June 1, 2001)
For: **CONDUCTIVE MATERIALS**)
Examiner: Not Yet Assigned)
Inventors: John Buckley and)
Patrick James O'Grady)
Attorney Docket No.: 198/39458/443-PCT)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

February 5, 2002

Dated

James R. Foley, Reg. No. 39,979

STATUS INQUIRY

COPY OF PAPERS
ORIGINALLY FILED

Assistant Commissioner for Patents
Washington, D.C. 20203

Sir:

Applicant, by and through its attorneys of record, respectfully requests a report as to the status of a "Request For Corrected Filing Receipt" filed for the above-noted patent. Please find enclosed a copy of the Request as filed.

As of the date of this letter, a response to this Request has not been received. The purpose of this letter is to ensure that a response has not been misdirected in the mail. If a response has not been forwarded, Applicant requests an estimate as to when it might expect a response in this matter.

Respectfully submitted,

TREXLER, BUSHNELL, GIANGIORGI,
BLACKSTONE & MARR, LTD.

Date: February 5, 2002

By:

Richard A. Giangiorgi, Reg. No. 24,384
James R. Foley, Reg. No. 39,979
105 West Adams Street, 36th Floor
Chicago, Illinois 60603-6299
(312) 704-1890

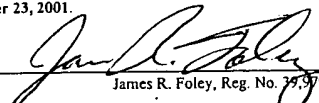


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Serial No.: 09/857,241)
)
Filing Date: June 1, 2001)
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For: CONDUCTIVE MATERIALS)
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Art Unit: 1772)
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Applicant(s): Patrick James O'Grady)
and John Buckley)
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Atty. Docket No.: 198/39458/443)

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James R. Foley, Reg. No. 35,979

REQUEST FOR CORRECTED FILING RECEIPT

RECEIVED

Office of Initial Patent Examination
Customer Service Center
Assistant Commissioner For Patents
Washington, D.C. 20231

COPY OF PAPERS
ORIGINALLY FILED

MAR 11 2002

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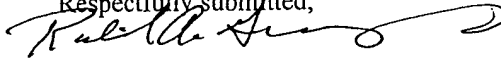
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Account No. 20-1495.

Respectfully submitted,



Date: October 23, 2001 By: _____

Richard A. Giangiorgi, Reg. No. 24,284
James R. Foley, Reg. No. 39,979
Attorneys for Applicant
Trexler, Bushnell, Giangiorgi,
Blackstone & Marr, Ltd.
105 West Adams Street, 36th Floor
Chicago, Illinois 60603-6299
Tel: (312) 704-1890



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COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/857,241	06/01/2001	1772	691	HULSE CASE 443- PCT	5	32	2

CONFIRMATION NO. 9729

Trexler Bushnell Giangiorgi & Blackstone
105 West Adams Street
Chicago, IL 60603

RECEIVED

OCT 22 2001

FILING RECEIPT



OC000000006887600

**TREXLER, BUSHNELL, GIANGIORGI,
BLACKSTONE & MARR, LTD.**

Date Mailed: 10/16/2001

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John Buckley, Rochdale, UNITED KINGDOM

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/GB99/04087 12/03/1999

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Foreign Applications

UNITED KINGDOM 9826596.0 12/04/1998

RECEIVED

MAR 11 2002

Projected Publication Date: Not Applicable, filed prior to November 29, 2000

TC 1700

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Conductive materials

CASE Hulsc 443
FILE #: 198-39458

~~_____ DUE _____~~
~~_____ DUE _____~~

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

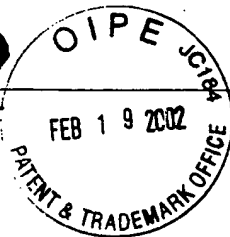
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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).



U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/857,241	Patrick James O'Grady	HULSE CASE 443-PCT

INTERNATIONAL APPLICATION NO.	
PCT/GB99/04087	
I.A. FILING DATE	PRIORITY DATE
12/03/1999	12/04/1998

Trexler Bushnell Giangiorgi & Blackstone
105 West Adams Street
Chicago, IL 60603

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CONFIRMATION NO. 9729
371 ACCEPTANCE LETTER

OC000000006887601

Date Mailed: 10/16/2001

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.494 OR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated Office (37 CFR 1.494) , has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

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DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF RECEIPT OF ALL 35 U.S.C. REQUIREMENTS

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The following items have been received:

- U.S. Basic National Fee
- Indication of Small Entity Status
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Small Entity Statement

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TC 170

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

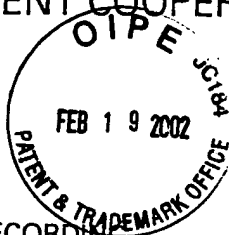
MAMIE P PERSON

Telephone: (703) 305-3737

PART 1 - ATTORNEY/APPLICANT COPY

PATENT COOPERATION TREATY

PCT

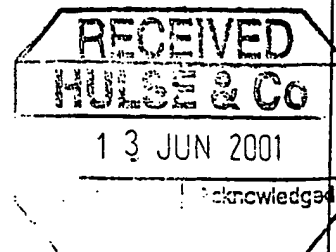


From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

HOUGHTON, David
Hulse & Co.
St. James House
8th floor
Vicar Lane
Sheffield S1 2EX
ROYAUME-UNI



Date of mailing (day/month/year) 05 June 2001 (05.06.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference DH/LH/G5357	
International application No. PCT/GB99/04087	International filing date (day/month/year) 03 December 1999 (03.12.99)

1. The following indications appeared on record concerning:

☒ the applicant ☒ the inventor ☐ the agent ☐ the common representative

Name and Address

COPY OF PAPERS
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State of Nationality

GB

State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

BUCKLEY, John
Flat 5
171 Drake Street
Rochdale OL11 1EF
United Kingdom

State of Nationality

GB

State of Residence

GB

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

Additional applicant/inventor for the purposes of the United States of America only.

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Dominique DELMAS

Hulse Case 443-PCT
(198/39458)

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

INTERNATIONAL APPLICATION NO.
PCT/GB99/04087

INTERNATIONAL FILING DATE
03 DEC 1999

FEB 19 2002

PRIORITY DATE CLAIMED
04 DEC 1998

TITLE OF INVENTION CONDUCTIVE MATERIALS

APPLICANT(S) FOR DO/EO/US Patrick James O'GRADY and John BUCKLEY (Added re PCT Rule 92 bis)

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

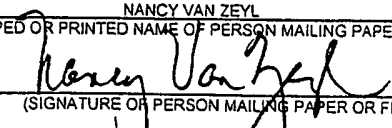
1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the specification and claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☒ are transmitted herewith in the International Application (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (EXECUTED)
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

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TC 1700

COPY OF PAPERS
ORIGINALLY FILED

Items 11. to 16. below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
 - a. ☒ International Preliminary Exam. Report
 - b. ☒ Verified Statement (Declaration) Claiming Small Entity Status
 - c. ☒ International Search Report
 - d. ☒ The Examiner is requested to examine the application, as amended, as published with the International Preliminary Examination Report

Certificate of Mailing by "Express Mail"	
Mailing Label Number	EL557802215US
Date of Deposit:	June 1, 2001
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Box Addressee" service under 35 CFR 1.10 on the date indicated above and is addressed to the Ass. Commissioner for Patents, Washington, D.C. 20231.	
NANCY VAN ZEYL (TYPED OR PRINTED NAME OF PERSON MAILING PAPER OR FEE)	
 (SIGNATURE OF PERSON MAILING PAPER OR FEE)	

EL557802215US

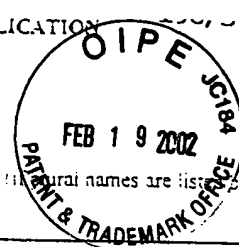
As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Conductive Materials

the specification of which

Check one: ☒ is attached hereto☐ was filed on _____

as Application Serial No. _____

and

was amended on _____

if applicable: _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 35, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
9826596.0	GB	04 Dec 1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PCT/GB99/04087	PCT	03 Dec 1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Prior Provisional Application(s)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below; insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial Number)	(Filing Date)	(Status: patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Richard A. Giangiorgi, Reg. 24,284; Ralford A. Blackstone, Jr., Reg. 25,136; David J. Marr, Reg. 32,915; Grant H. Peters, Reg. 35,971; Linda L. Palomar, Reg. 37,903; James R. Foley, Reg. 39,979; and Thomas J. Donovan, Reg. No. 33,231.

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Patrick James O'GRADYInventors signature [Signature]

Date

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